Global Utility Analytics Market Poised for Rapid Expansion, Surpassing USD 15.5 Billion by 2035 | FMI

Utility Analytics and Energy Analytics Market is set to grow at 14.9% CAGR, reaching USD 15.5 billion by 2035, driven by AI, IoT & renewable energy integration.

NEWARK, DE, UNITED STATES, February 14, 2025 /EINPresswire.com/ -- The global Utility Analytics and Energy Analytics Market is poised for significant expansion in the coming decade. As per the latest market projections, the industry is estimated to be worth USD 3,881.93 million in 2025, witnessing a steady year-over-

Utility Analytics and Energy Analytics Market

year (Y-o-Y) growth of 7.3% from USD 3,380.0 million in 2024. The market is anticipated to experience a robust compound annual growth rate (CAGR) of 14.9%, ultimately reaching a valuation of USD 15,500.99 million by 2035.

The increasing emphasis on sustainability, smart grid adoption, and real-time energy optimization is fueling the rapid growth of the utility analytics and energy analytics sector. The integration of Artificial Intelligence (AI), Internet of Things (IoT), and Big Data analytics in energy management solutions is revolutionizing how utilities optimize power generation, distribution, and consumption. With growing regulatory support and the integration of renewable energy sources into utility grids, the demand for energy analytics solutions is expected to surge.

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The Utility Analytics and Energy Analytics Market is evolving rapidly, playing a critical role in transforming energy efficiency, reducing operational costs, and enhancing grid resilience. This sector encompasses advanced data analytics solutions that optimize power management across various utility services.

Smart analytics solutions utilize real-time energy intelligence, predictive maintenance tools, and IoT-enabled sensors to enhance energy efficiency. These technologies help power companies monitor energy flow, predict power outages, and optimize grid performance while ensuring compliance with environmental regulations. Moreover, energy analytics facilitate seamless integration of renewable energy sources, including wind and solar, into conventional grids, boosting sustainability and energy conservation efforts worldwide.

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The global utility analytics and energy analytics market is projected to grow from USD 3,881.93 million in 2025 to USD 15,500.99 million by 2035, reflecting a CAGR of 14.9%.

Market revenue in 2024 was USD 3,380.0 million, with an expected Y-o-Y growth rate of 7.3% in 2025.

Rising investments in renewable energy and the demand for energy efficiency optimization are key drivers of market growth.

Technological advancements such as SCADA (Supervisory Control and Data Acquisition) systems, IoT-based sensors, and predictive maintenance tools are enhancing utility analytics solutions.

Europe and Asia-Pacific are leading the market due to strong policy support for energy optimization initiatives.

North America continues to maintain a steady growth trajectory, driven by the adoption of smart grids and carbon emissions reduction goals.

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Utility analytics play a crucial role in various sectors, including power generation, transmission, and distribution. Companies are leveraging AI-powered algorithms and real-time data monitoring to enhance efficiency and reliability across the energy supply chain.

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Predictive Maintenance: AI-powered systems predict equipment failures, reducing downtime and repair costs.

Grid Optimization: Real-time monitoring of power grids improves energy distribution and prevents overloads.

Energy Demand Forecasting: Advanced analytics tools help utilities predict energy demand fluctuations and adjust supply accordingly.

Renewable Energy Integration: Analytics assist in seamlessly incorporating wind, solar, and hydroelectric energy into existing power grids.

These technologies ensure optimal power utilization, enhance grid stability, and support

sustainable energy practices.

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The Utility Analytics and Energy Analytics Market is shaped by several key determinants:

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Rising Investments in Renewable Energy: Governments and energy providers are increasing funding for solar, wind, and hydroelectric projects, driving the demand for analytics solutions.
Growing Adoption of Smart Grids: Advanced analytics enable real-time decision-making, ensuring efficient energy distribution.
Stringent Environmental Regulations: Global policies promoting carbon footprint reduction encourage the adoption of smart energy analytics.

Emerging Trends:
Integration of AI and Machine Learning in Energy Forecasting
Deployment of Smart Sensors for Real-Time Energy Monitoring
Cloud-Based Analytics for Scalable and Remote Energy Management

Opportunities:
Expansion in emerging economies with increasing energy demand
Technological advancements in IoT-enabled energy analytics solutions
Increased focus on predictive analytics and automation in utility services

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Hitachi Energy
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By Type:
In terms of Type is segregated Business Analytics, Big Data Platform, Optimization Services and Information Integration and Governance.

By Deployment:
In terms of Component, is distributed into On-Premise and Cloud.

By Application:
In terms of Application, is segregated Billing Support, Energy Efficiency, Revenue Protection, Load Research and Forecasting, Distribution Planning and Operation and Others.

By Industry:
In terms of Industry, is segregated Oil & Gas, Energy, Utilities, Electricity, Water and Waste and Recycle.

By Region:
Key countries of North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia & pacific, Middle East and Africa (MEA) have been covered in the report.

About Future Market Insights (FMI)

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